

SEQUENCE LISTING

<110> Morinaga Milk Industry Co., Ltd.

<120> Protease Inhibitor

<130> FP1480P1618

<150>JP 02/347801

<151> 2002-11-29

<150>JP 03/147035

<151> 2003-05-23

<160> 2

<170> PatentIn Ver. 2.1

<210> 1

<211> 226

<212> PRT

<213> Homo Sapiens

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<221> sig_peptide

<222> (1)…(15)

<223> casein

<400> 1

Met Lys Val Leu Ile Leu Ala Cys Leu Val Ala Leu Ala Leu Ala Arg
1 5 : 10 15

Glu Thr Ile Glu Ser Leu Ser Ser Ser Glu Glu Ser Ile Thr Glu Tyr
20 25 30

Lys Gln Lys Val Glu Lys Val Lys His Glu Asp Gln Gln Gly Glu
35 40 45

Asp Glu His Gln Asp Lys Ile Tyr Pro Ser Phe Gln Pro Gln Pro Leu		
50	55	60
Ile Tyr Pro Phe Val Glu Pro Ile Pro Tyr Gly Phe Leu Pro Gln Asn		
65	70	75
Ile Leu Pro Leu Ala Gln Pro Ala Val Val Leu Pro Val Pro Gln Pro		
85	90	95
Glu Ile Met Glu Val Pro Lys Ala Lys Asp Thr Val Tyr Thr Lys Gly		
100	105	110
Arg Val Met Pro Val Leu Lys Ser Pro Thr Ile Pro Phe Phe Asp Pro		
115	120	125
Gln Ile Pro Lys Leu Thr Asp Leu Glu Asn Leu His Leu Pro Leu Pro		
130	135	140
Leu Leu Gln Pro Leu Met Gln Gln Val Pro Gln Pro Ile Pro Gln Thr		
145	150	155
160		
Leu Ala Leu Pro Pro Gln Pro Leu Trp Ser Val Pro Gln Pro Lys Val		
165	170	175
Leu Pro Ile Pro Gln Gln Val Val Pro Tyr Pro Gln Arg Ala Val Pro		
180	185	190
Val Gln Ala Leu Leu Leu Asn Gln Glu Leu Leu Leu Asn Pro Thr His		
195	200	205
Gln Ile Tyr Pro Val Thr Gln Pro Leu Ala Pro Val His Asn Pro Ile		
210	215	220
Ser Val		
225		

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<212> PRT

<213> Bos taurus

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<222> (1)…(15)

<223> casein

<400> 2

Met Lys Val Leu Ile Leu Ala Cys Leu Val Ala Leu Ala Leu Ala Arg
1 5 10 15

Glu Leu Glu Glu Leu Asn Val Pro Gly Glu Ile Val Glu Ser Leu Ser
20 25 30

Ser Ser Glu Glu Ser Ile Thr Arg Ile Asn Lys Lys Ile Glu Lys Phe
35 40 45

Gln Ser Glu Glu Gln Gln Thr Glu Asp Glu Leu Gln Asp Lys Ile
50 55 60

His Pro Phe Ala Gln Thr Gln Ser Leu Val Tyr Pro Phe Pro Gly Pro
65 70 75 80

Ile Pro Asn Ser Leu Pro Gln Asn Ile Pro Pro Leu Thr Gln Thr Pro
85 90 95

Val Val Val Pro Pro Phe Leu Gln Pro Glu Val Met Gly Val Ser Lys
100 105 110

Val Lys Glu Ala Met Ala Pro Lys His Lys Glu Met Pro Phe Pro Lys
115 120 125

Tyr Pro Val Glu Pro Phe Thr Glu Ser Gln Ser Leu Thr Leu Thr Asp
130 135 140

Val Glu Asn Leu His Leu Pro Leu Pro Leu Leu Gln Ser Trp Met His
145 150 155 160

Gln Pro His Gln Pro Leu Pro Pro Thr Val Met Phe Pro Pro Gln Ser
165 170 175

Val Leu Ser Leu Ser Gln Ser Lys Val Leu Pro Val Pro Gln Lys Ala
180 185 190

Val Pro Tyr Pro Gln Arg Asp Met Pro Ile Gln Ala Phe Leu Leu Tyr
195 200 205

Gln Glu Pro Val Leu Gly Pro Val Arg Gly Pro Phe Pro Ile Ile Val
210 215 220